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APPLICATION NO.	ON NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/876,238	06/07/2001		Kurt F. Becker	SIT-0107	8184		
26259	7590	12/18/2002					
LICATLA &	TYRR	ELL P.C.		EXAMINER			
66 E. MAIN S				HARPER,	HARPER, HOLLY R		
MARLTON, 1	NJ 080:	53			, , , , , , , , , , , , , , , , , , ,		
				ART UNIT	PAPER NUMBER		
				2879			
				DATE MAILED: 12/18/2002			

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	- V
•	09/876,238	BECKER ET AL.	
Office Action Summary	Examiner	Art Unit	
	Holly R. Harper	2879	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wi	th the correspondence add	dress
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a r within the statutory minimum of thin vill apply and will expire SIX (6) MON cause the application to become AE	eply be timely filed y (30) days will be considered timely THS from the mailing date of this contains ANDONED (35 U.S.C. § 133).	
1) Responsive to communication(s) filed on	·		
2a) ☐ This action is FINAL . 2b) ☑ Th	is action is non-final.		
3) Since this application is in condition for allowards closed in accordance with the practice under a Disposition of Claims			e merits is
4) \boxtimes Claim(s) <u>1-14</u> is/are pending in the application			
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5)⊠ Claim(s) <u>13 and 14</u> is/are allowed.			
6)⊠ Claim(s) <u>1-12</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examiner			
10) The drawing(s) filed on is/are: a) accept			
Applicant may not request that any objection to the 11) The proposed drawing correction filed on			
If approved, corrected drawings are required in rep		isapproved by the Examine	
12) The oath or declaration is objected to by the Exa	-		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. 8	\$ 119(a)-(d) or (f)	
a) All b) Some * c) None of:	promy and or or or or or	3 / / 0 (4) (4) 0. (//.	
1. ☐ Certified copies of the priority documents	s have been received.		
2. Certified copies of the priority documents		pplication No.	
3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list of the certified copies of the prior application from the International But	ity documents have been reau (PCT Rule 17.2(a)).	received in this National S	Stage
14) Acknowledgment is made of a claim for domestic	priority under 35 U.S.C.	§ 119(e) (to a provisional	application).
a) The translation of the foreign language pro15) Acknowledgment is made of a claim for domesting			
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of I	Summary (PTO-413) Paper No(s nformal Patent Application (PTC	. ——

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DETAILED ACTION

Response to Amendment

1. Applicant's amendment to the specification, filed on August 27, 2001, has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schoenbach et al. (USPN 6,072,273) hereinafter "Schoenbach."

In regard to claim 1, the Schoenbach reference discloses a fluorescent lamp comprising a sealed, light-transmissive tube containing a gas. First and second spaced-apart electrodes are mounted within the tube. The first electrode comprises a conductor having a plurality of micro hollows (Column 2, Line 66 – Column 3, Line 4). The lamp further includes electrical means for coupling electrical energy to the first and second electrodes (Column 3, Lines 6-8). The lamp also has a dielectric layer on the surface of each electrode. Each dielectric layer has openings aligned with the micro hollows (Column 3, Lines 23-25). In one embodiment, the lamp was described as having a mica spacer that was .2 mm thick and the cathode holes had a diameter of .7 mm, which is an area of .38465mm² (Column 9, Lines 60-64). The Schoenbach reference does not disclose the thickness of the electrodes being between .05 mm and .5 mm. However, it is noted that having electrodes with the specified thickness is not shown to solve any problems or

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yield any unexpected results that are not within the scope of Schoenbach's light source.

Accordingly, the specified thickness of the electrode is considered to be an obvious matter of design choice.

In regard to claim 2, the Schoenbach reference discloses that the discharge device contains a gas at a prescribed pressure that is typically in a range of about .1 torr to atmospheric pressure, which is about 760 torr (Column 5, Lines 30 –31).

In regard to claims 3 –5, the Schoenbach reference discloses that the gas in the discharge chamber is an inert gas such as argon, neon, or xenon (Column 7, Lines 50-51). Helium is also an inert gas.

In regard to claims 6-11, the Schoenbach reference discloses that molecular gases, such as nitrogen, oxygen or air, and sulfur or selenium vapors, and their mixtures with inert gases, maybe used in the flat light source (Column 17, Lines 10-12).

In regard to claim 12, the Schoenbach reference discloses a discharge device with an electrode having a plurality of micro hollows that emits radiation in a wavelength range of about 80 to 200 nanometers (Column 3, Lines 26-39).

Allowable Subject Matter

- 4. Claims 13 and 14 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 13, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 13, and specifically comprising the limitation of multiple microhollow cathode discharges and an anode comprising a distributed resistive ballast.

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Regarding claim 14, claim 14 is allowable for the reasons given in claim 13 because of its dependency status from claim 13.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Holly Harper whose telephone number is (703) 305-7908. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Holly Harper Patent Examiner Art Unit 2879 NIMESHKUMAR D. PATEL SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800